

19981118.ba v02_n305.bam.981118 v02_n306.bam.981118

>From ???@??? Thu Nov 19 11:05:40 1998
Message-Id: <199811181459.IAA04753@sco.theporch.com>
Date: Wed, 18 Nov 1998 08:58:25 CST
Subject: BOATANCHORS digest 2305

BOATANCHORS Digest 2305

Topics covered in this issue include:

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- 2) Heathkit uMatic mystery
by Peter_Simpson@ne.3com.com
- 3) WTB HP-23 Power cable
by "William L. Fuqua III" <wlfluqu00@pop.uky.edu>
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- 6) Don't Sell!
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by mnhopkins@juno.com (Michael N Hopkins)
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by William Donzelli <william@ans.net>
- 9) New book: The Victorian Internet
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- 10) UNFAIR QUIZ ?
by BEN NOCK <G4BXD@compuserve.com>
- 11) Collins PTO is Fixed!!
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- 12) RE: New book: The Victorian Internet
by "Pete Ferrand" <pete@vermontel.net>
- 13) Help SR-150 Dial stringing
by Dan Arney <kn6di@groupone.net>
- 14) WTB 5 v.c.t. 7.5 amp HV fil xfmr
by Phil Mills <pmills@a.crl.com>
- 15) paper stuff for sale
by Bill Wilson <billo@internettpport.net>
- 16) Need foward to heath reflector
by thompson@mindspring.com
- 17) Re: New book: The Victorian Internet
by ail0@lehigh.edu (ARTHUR I. LARKY)
- 18) Heath uMatic keter replies
by thompson@mindspring.com
- 19) Manual needed

- by JONWEINER@aol.com
- 20) Info needed
by JONWEINER@aol.com
- 21) Info Needed: F-194/U
by Dick Dillman <ddillman@igc.apc.org>
- 22) BAs on VHF FM
by Dick Dillman <ddillman@igc.apc.org>
- 23) Re: Zenith Trans Oceanic Receiver
by "steve" <scb@mail.internettport.net>
- 24) RE: New book: The Victorian Internet
by "Katz, Gene S" <gene.s.katz@lmco.com>
- 25) Re: BAs on VHF FM
by kd5byb@wt.net

Message-Id: <3.0.5.32.19981117074817.008dae80@mail1.telalink.net>
Date: Tue, 17 Nov 1998 07:48:17 -0600
To: Old Tube Radios <boatanchors@theporch.com>
From: Tom Norris <badger@telalink.net>
Subject: RT-834/GRC-106A needed
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

Just fishing right now. Looking to see what the going price is on one of these beasts. I have an RT-662, but was wondering about "upgrading" and was especially wondering if prices out in hamdom were less than Murphy or Fair Radio prices. (Fair wants \$345/\$495 for as-is/chkd)

Now I AM NOT knocking Fair Radio, am a satisfied customer of MANY years, nor am I giving Mike Murphy a hard time either. Just fishing for prices. May end up driving to Dayton and getting one from them...

Now to get my AM3349 working again. Darned power supply failed on me and fried the sand-chunks that drove the HV supply. Darned pesky germaniums doo doo..... heehee. Trivia: these are still available NEW locally for only about \$100 each !!!!!!! Fair Radio to the rescue! I have a front panel/PS on the way, and very affordable.

73 and thanks

Tom

[Who questions his sanity sometimes. I could buy a nice used TS-50 for what I have in this GRC-106 so far, and it would even fit under the dash of my car and not require hearing protection during use and require a truss when carrying it. But it would not be NEARLY as fun

to use , and it don't have no tubes!]

From: Peter_Simpson@ne.3com.com
To: Old Tube Radios <boatanchors@theporch.com>
cc: thompson@mindspring.com
Message-ID: <852566BF.004DB7D1.00@usboxmta.ne.3com.com>
Date: Tue, 17 Nov 1998 09:00:50 -0500
Subject: Heathkit uMatic mystery
Mime-Version: 1.0
Content-type: text/plain; charset=us-ascii
Content-Disposition: inline

I have a uMatic. I don't have it here, but I think there was only one kind made (heavy metal case, capacitive paddles, flat membrane keyboard). According to the manual, the voltage doesn't really matter, nor does the polarity. There's a diode bridge and a voltage regulator inside. I have run mine off a WECO 6.3 VAC wall wart and a 12 VDC gell-cell.

I can copy the manual and schematic if you need it. Let me know.

Peter, KA1AXY

Date: Tue, 17 Nov 1998 09:12:51 -0500 (EST)
Message-Id: <199811171412.JAA26139@pop.uky.edu>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"
To: Old Tube Radios <boatanchors@theporch.com>
From: "William L. Fuqua III" <wlfuqu00@pop.uky.edu>
Subject: WTB HP-23 Power cable

I am trying to get a young ham on the air. He has a very limited budget so I thought my old HW-100 and HP-23 would be just the thing. However I can't find the cable that connects between the power supply and the transceiver. Can anyone help?

TNX

es

73

Bill wa4lav

William L. Fuqua III P.E. E-mail WLFUQU00@POP.UKY.EDU Phone (606) 257-4155
Department of Physics and Astronomy CP-177 Chem. Phys. Bldg.

University of Kentucky ,

Lexington, Ky 40506-0055

Message-ID: <36516BA3.2E0E07DE@globetrotter.net>
Date: Tue, 17 Nov 1998 08:27:16 -0400
From: luc dugas <collins2@globetrotter.net>
MIME-Version: 1.0
To: Old Tube Radios <boatanchors@theporch.com>
CC: Old Tube Radios <boatanchors@theporch.com>
Subject: Re: RELiant (Eldico?) Type S-119 System
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

i have the same station as you but missing the power supply. i have another r-104 beside the complete station. that receiver is available for sale. luc

K1HC@aol.com wrote:

> Greetings to all the knowledgable BA newsgroup folks! I just acquired a
> "RELiant Type S-119 Amateur - Special SSB Communications System" It was made
> by Radio Engineering Laboratories of NY, and was apparently bought at Harrison
> Radio of NYC. I thought Eldico was the brand name, based upon an odd piece I
> had picked up long ago, but this equipment has the RELiant green and black
> label on the front. It consist of the T-102 xmtr, R-104 rcvr, M-135 control
> unit (watt meter, phone patch, other) and the P-109 power supply. It is grey
> in color, unlike the green Eldico station console I had picked up long ago.
> Also have an odd collection of typed pages and reverse color photocopies of
> pictures of the gear all in the 3 ring binder to make up the owner's manual.
> I had heard it was limited production because of patent and/or copyright
> infringement by Collins, or maybe it was just not a good seller! Any
> insights, comments, suggestions on the gear would be appreciated. Thanks!
>
> Dick, K1HC
> Westwood, MA

Message-Id: <199811171610.KAA05047@unlinfo2.unl.edu>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"
Date: Tue, 17 Nov 1998 11:21:24 -0600
To: Old Tube Radios <boatanchors@theporch.com>
From: daniel wright <djw@unlinfo.unl.edu>
Subject: Q?: EFJ Courier Amplifier

In about an hour, I'm going to drive to Omaha and pick up

an EFJ Courier amp. I suppose I could wait and see for myself, but I wanted the expert opinion/knowledge of the assembled group.....

I had a talk with a feller on 75 meter AM this morning who told me that I could expect about 43 watts output from the amp in the AM mode. Is this true? I want to pair the amp with my <now FINALLY fixed> Ranger I. Has anyone had any experience with the Courier? It runs a pair of 811As, I beleive, and the advertising poop sez something about 200 watts AM...I forget whether it's input or output....

Any help, experiences, and advice would be greatly appreciated!

thanks es

73 de Dan -- WA0JRD ..
WPE0DEN
djw@unlinfo.unl.edu
Lincoln,Nebraska

Date: Tue, 17 Nov 1998 11:46:29 -0500
From: Don <71333.144@compuserve.com>
Subject: Don't Sell!
To: Old Tube Radios <boatanchors@theporch.com>
Cc: baswaplist <baswaplist@foothill.net>
Message-ID: <199811171149_MC2-6088-169E@compuserve.com>
MIME-Version: 1.0
Content-Transfer-Encoding: 7bit
Content-Type: text/plain; charset=us-ascii
Content-Disposition: inline

This is my annual plea to boatanchor enthusiasts to be careful about selling certain tubes to audiophiles. Some of our old transmitter tubes have become audiophile nirvana. But, while we boatanchor operators must have these particular tubes to run our vintage gear, the audiophiles have other choices. Why should we reward them for making choices that hurt our hobby?

Case in point: The 801A. There is absolutely no reason whatsoever for an audiophile to need this tube. The exact same specs are available through a currently manufactured Svetlana tube called the 811-10. The 811-10 has slightly different basing and a different filament voltage requirement. To an audiophile, these are simply design choices. To you and me running 801A's, these changes make the 811-10 unusable without modifying our vintage gear. So please don't sell your 801A's to audiophiles. Refer them

instead to Svetlana for the 811-10.

Another case: The 211 or VT-4C. Folks, this tube is becoming flat-out unobtainium. Yet all of us with BC-375's and BC-191's need 4 of them plus spares! Groan. Let the audiophiles build around something else--anything else!

Those are the 2 tubes I use that pop to my mind. Im sure you have your own candidates. The bottom line is that those guys have choices and we don't (unless we modify rare equipment). There are plenty of good choices too. Please don't support audiophile use of the tubes we continue to need.

Food for thought...

73, Don

To: Old Tube Radios <boatanchors@theporch.com>
Date: Mon, 16 Nov 1998 20:17:06 -0600
Subject: ACR-136 under every rock?
Message-ID: <19981117.105835.-136751.2.MNHopkins@juno.com>
MIME-Version: 1.0
Content-Type: text/plain
Content-Transfer-Encoding: 7bit
From: mnhopkins@juno.com (Michael N Hopkins)

In my recent post on 1930s rigs actually used I said I did not know what an ACR-136 might be. The good G3UUR tells me in the snip below. He also refers to the AR-88 problem which is, briefly, that RCA sent them Lend Lease style with the proviso they would not return. We cannot find them here, but a G-GRP pal tells me they are common in the UK.

Anyway, for those who, like me, did not know what an ACR-136 might be:

Michael,

Shame on you for not knowing the ACR136!! It's an RCA superhet receiver, fairly typical of the period. I can dig you out the details if you're interested. The ACR-series preceded the AR-series which came out in about '37 or '38 with the AR60 and progressed thru the AR77 to the AR88 which was produced in great numbers by RCA as part of the war effort. Most AR88's seem to have ended up over here in Europe. Can't remember 'off hand' how many receivers there were in the ACR-series or what number they started at. If you have any copies of the Californian 'Radio' magazine of the from about January 1936 onwards(after they amalgamated with R/9) they had good review articles on the current receiver ranges of all the important manufacturers of the time and many detailed adverts. They make great reading.

73 de Dave, G3UUR.

PS....WHERE ARE ALL YOU AMERICAN AM BA FANS WHEN 10M IS OPEN?
I HEAR THE SAME FEW GUYS EACH TIME THE BAND OPENS UP.
MY JOHNSON RANGER AND COLLINS 75A-4 ARE WAITING TO WORK YOU!

Dr Dave Gordon-Smith
Materials Science
Dept. of Engineering Sciences
University of Warwick, UK.

73 de ab5L, michael in Dallas, student of Six Meters' Golden Age,
1957-58,
and two of its jewels: Tecraft and International Crystal ham products.
Michael N. Hopkins
Box 226841
Dallas, TX 75222 MNHopkins@Juno.com

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or call Juno at (800) 654-JUNO [654-5866]

Date: Tue, 17 Nov 1998 12:08:56 -0500 (EST)
From: William Donzelli <william@ans.net>
To: Old Tube Radios <boatanchors@theporch.com>
Subject: Re: Don't Sell!
Message-Id: <Pine.GS0.3.96.981117115854.10843C-1000000@titan.purch.ans.net>
Mime-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

> So please don't sell your 801A's to audiophiles.

Especially those with Navy markings! Lots of the stuff uses 801As (and
2A3s) - GOs, TBLs, TBWs, TDEs, etc..

> Another case: The 211 or VT-4C. Folks, this tube is becoming flat-out
> unobtainium. Yet all of us with BC-375's and BC-191's need 4 of them plus
> spares! Groan. Let the audiophiles build around something else--anything
> else!

What I tend to do is buy the "audio" triodes whenever I can, even if I can
see no immediate use. I would rather trade them off to someone that could
use them in original equipment.

On the other hand, I have absolutely no problems with people buying audio tubes, specifically Westen Electric types, to go back in vintage amplifiers. A WE 86A is just as important historically as an old Collins rig.

William Donzelli
william@ans.net

Message-Id: <2.2.32.19981117214216.00d348fc@ntpop.usnews.com>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"
Date: Tue, 17 Nov 1998 16:42:16 -0500
To: Old Tube Radios <boatanchors@theporch.com>
From: Avery Comarow <acomarow@usnews.com>
Subject: New book: The Victorian Internet

A wonderful, funny, instructive new book on the dawn of telegraphy has just been published. It's "The Victorian Internet," by Tom Standage (Walker & Co., \$22 hardback). I had no idea that years before Morse and others introduced what we think of as the telegraph, western Europe was crisscrossed with visual telegraph routes--towers where moving arms and shutters communicated messages (as long as it wasn't dark, foggy, or misty). Congress wanted to back a similar system here, in fact.

Did you know the message transmitted by Morse in the first test that persuaded even the skeptics was NOT "What hath God wrought"? It was a list of the names of the nominees at the Whig national convention taking place in Baltimore. If Morse could transmit the names to Washington, to be verified 64 minutes later when a train arrived, that would demonstrate that he was not a fraud or a conjurer.

Remember the apocryphal stories when the telephone came out of people who would pour soup into the receiver because they believed it would come out the other end? Such tales were based on fact with the telegraph. A man in Nebraska who thought the telegraph lines were like tightropes would watch carefully, "to see the man run along the wires with the letter bags." A woman in Prussia wanted a container of sauerkraut telegraphed to her son, fighting in the Franco-Prussian war, because she had heard of soldiers being ordered to the front by telegraph. "How could so many soliders have been sent to France by telegraph?" she wanted to know.

And on, and on... It's really terrific. And, no, I'm not a friend of the author.

Best, Avery W40GK

[illegible]

So all you non US national's out there, shall we have a quiz of our own ?=

I'll put up a prize. :-)

Message-ID: <3651FB2E.6C31@net-link.net>
Date: Tue, 17 Nov 1998 18:39:42 -0400
From: "Gary F. Franklin" <franklin@net-link.net>
MIME-Version: 1.0
To: Old Tube Radios <boatanchors@theporch.com>
Subject: Collins PTO is Fixed!!

Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Thanks to the many who responded to my sick Collins PT0 in my 75A-2. The problem turned out to be an open .01 mf molded capacitor (C-130), located inside the PT0 can. The old A-2 is back on line!!

Thanks to all!

Gary K8BKB

From: "Pete Ferrand" <pete@vermontel.net>
To: Old Tube Radios <boatanchors@theporch.com>
Subject: RE: New book: The Victorian Internet
Date: Tue, 17 Nov 1998 18:54:48 -0500
Message-ID: <000001be1285\$a8ab46e0\$0ae666ce@asustx>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

> been published. It's "The Victorian Internet," by Tom Standage (Walker &
> Co., \$22 hardback). I had no idea that years before Morse and others
> introduced what we think of as the telegraph, western Europe was

Sounds like a neat book.

This country also, especially the Eastern seaboard, was also well covered by the telegraph systems in the early part of the 19th century. Kind of labor intensive, since all the signalling towers had to be in line of sight and you needed guys at every post, one to watch with a telescope and one to work the semaphore.

Memories of this survive today as place names, such as "Telegraph Hill" and "Signal Hill".

Also why early references to the wire telegraph were things like "electric telegraph" since the word "telegraph" heretofore had meant the mechanical-optical kind.

-Pete
WB2QLL
Plainfield, NH
pete@vermontel.net

Message-ID: <36520E9C.51C99DC6@groupone.net>
Date: Tue, 17 Nov 1998 16:02:36 -0800
From: Dan Arney <kn6di@groupone.net>
MIME-Version: 1.0
To: Old Tube Radios <boatanchors@theporch.com>
Subject: Help SR-150 Dial stringing
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

I just acquired a SR-160 that needs dial stringing and have original & copy of manual. No stringing info. Anybody out there have a clue. Would it be like SX-117 or HT-44??

Any help appreciated.

Thanks,

73

Hank

Message-Id: <3.0.1.32.19981117183135.0068aa18@a.crl.com>
Date: Tue, 17 Nov 1998 18:31:35 -0600
To: Old Tube Radios <boatanchors@theporch.com>
From: Phil Mills <pmills@a.crl.com>
Subject: WTB 5 v.c.t. 7.5 amp HV fil xfmr's
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

Hello,

I'm looking to acquire 2 filament transformers for use with an 872A power supply I'm building....they need to be 5 volts center tapped at a minimum of 7.5 amps and HV insulated...5kv or more preferably.

If anyone has one or two to sell, please e-mail me.

thanks & 73,

Phil

Phil Mills AB5TH
pmills@a.crl.com
Friendswood, TX

Message-ID: <3651E27F.D75389B0@internettpport.net>
Date: Tue, 17 Nov 1998 14:54:24 -0600
From: Bill Wilson <billo@internettpport.net>
MIME-Version: 1.0

To: Old Tube Radios <boatanchors@theporch.com>
Subject: paper stuff for sale
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

I have the following;

Johnson Catalog #959, a little worn but has nice pics of all the radios/amps. \$6

HT-37 manual-not in the greatest shape, cover is tattered and loose, some writing in it much this is much better than any reprint \$6

Taylor tube catalog with descriptions diagrams of all their tubes (822, 845 & others), cover is loose. \$4

Regards,

Bill

W4BIZ

Jacksonville, Al.

From: thompson@mindspring.com
Message-ID: <000701be1295\$10924100\$8b2856d1@default>
To: Old Tube Radios <boatanchors@theporch.com>
Subject: Need foward to heath reflector
Date: Tue, 17 Nov 1998 20:45:02 -0500

QTH.net has my ISP locked out. I cannot confirm my subscription to the heath reflector. I need the following forwarded to the heath reflector.

Looking for help on the AC adaptor for the Heath uMatic (SA-5010) keyer. If you know about this keyer please contact me by e-mail at thompson@mindspring.con

thanks Dave K4JRB

Message-Id: <199811180254.VAA51310@ns4-1.CC.Lehigh.EDU>
Date: Tue, 17 Nov 1998 21:54:31 EST
From: ail0@lehigh.edu (ARTHUR I. LARKY)
Subject: Re: New book: The Victorian Internet
To: Old Tube Radios <boatanchors@theporch.com>

>introduced what we think of as the telegraph, western Europe was
>crisscrossed with visual telegraph routes--towers where moving arms and

>shutters communicated messages (as long as it wasn't dark, foggy, or misty).
>Congress wanted to back a similar system here, in fact.

Wasn't that called a heliograph?
Art K3HBA

From: thompson@mindspring.com
Message-ID: <001201be12a1\$17760e00\$8b2856d1@default>
To: Old Tube Radios <boatanchors@theporch.com>
Subject: Heath uMatic keter replies
Date: Tue, 17 Nov 1998 22:10:49 -0500

Well I got a number of replies. I knew this keyer was quite popular. The manual calls for an adapter of 11 to 16 Vdc @200ma. Two have the actual heath supplied transformer and one is unmarked and the other is 8.5vac @ 1 amp.
W4UOC used a ten tec supply to provide 12vdc.....

Two mentioned that there was a bridge rectifier circuit inside (its there) so all we are doing is supplying voltage and the rectifier does its job and supplies the proper voltage. Guess you just need to make sure there is enough current capability. Doesn't appear that the polarity makes any difference too!

Thanks for all the help. After I scrape out the back up batteries that were left inside for some time (making sure no damage from the leakage) I should have this keyer up and running.

Dave K4JRB

From: JONWEINER@aol.com
Message-ID: <2ed1e3c3.36524bff@aol.com>
Date: Tue, 17 Nov 1998 23:24:31 EST
To: Old Tube Radios <boatanchors@theporch.com>
Mime-Version: 1.0
Subject: Manual needed
Content-type: text/plain; charset=US-ASCII
Content-transfer-encoding: 7bit

Here's a strange one: I need a copy of the manual for a Specific Products (Los Angeles, CA) Model WWVC WWV receiver. A neat BA - probably late 40's or early 50's vintage with a scope built in. Can anyone help?

Jon, K1VVC

From: JONWEINER@aol.com
Message-ID: <d8dd9d16.36524c94@aol.com>
Date: Tue, 17 Nov 1998 23:27:00 EST
To: Old Tube Radios <boatanchors@theporch.com>
Mime-Version: 1.0
Subject: Info needed
Content-type: text/plain; charset=US-ASCII
Content-transfer-encoding: 7bit

I need the wiring diagram (preferably a copy of the manual) for an RCA Type 77-DX ribbon microphone. I'd like to hook it up to one of the BA stations here.

Jon, K1VVC

Date: Tue, 17 Nov 1998 21:51:15 -0800 (PST)
Message-Id: <2.2.16.19981117214850.13ef7c86@pop.igc.org>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"
To: Old Tube Radios <boatanchors@theporch.com>
From: Dick Dillman <ddillman@igc.apc.org>
Subject: Info Needed: F-194/U

Can anyone tell me the power rating of the cavity bandpass filter F-104/U?

Thanks,

Dick

Dick Dillman
<ddillman@igc.apc.org>
WPE2VT W6AWO
Collector Of Heavy Metal:
Harleys, Willys and Radios Over 100lbs.

Date: Tue, 17 Nov 1998 21:51:17 -0800 (PST)
Message-Id: <2.2.16.19981117214852.13ef696c@pop.igc.org>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"
To: Old Tube Radios <boatanchors@theporch.com>
From: Dick Dillman <ddillman@igc.apc.org>
Subject: BAs on VHF FM

The great thing about the particular type of madness we share is that there's always something new to obsess about. For me it's lately been the acquisition and use of 50s vintage commercial FM gear on 2m FM.

I realize this is not a new concept. In fact when I was first licensed back in the late 50s some friends in the 2-way business were pioneering amateur VHF FM with such gear. I scorned them then but later realized I had missed out on something great.

Me and my radio buddy Tom Horsfall, WA6OPE started talking about this kind of thing several months ago. We thought it would be fun to use 146.52 Mc/s simplex as an intercom channel on our homes and vehicles. To add a bit of spice to the project a radio operating on 6V would be required for my 1958 Willys wagon. I figured a nice Motrac would do for the 1964 Volvo 544.

The project was nothing more than talk until a couple of weekends ago when a trove of manuals and gear turned up at a non-radio flea market. Among the hardware were two Twin-V Motorola high-band sets in good condition with control heads and cables. For the uninitiated the Twin-V gets its name from its vibrator power supply that will run on 6 or 12V. Plus there was a high band consolette complete with VU meter, mechanical digital clock and a Motorola "M" that lights up red on transmit. It looked like we were well on our way.

The next weekend I was at a different non-radio flea market. As I was walking away after making the circuit I saw a dirty looking guy with a leather hat and no shirt pushing a shopping cart containing... could it be? Yes! Two older model Twin-V radios! What are the odds against that, I ask you? That deal was never consummated as a girl with a pierced tongue was offering a bit more than I was willing to pay. A girl with a pierced tongue negotiating for Motorola Twin-Vs with a guy in a leather hat and no shirt. Yeah, I see that kinda thing all the time.

Last weekend Tom and I were at an estate sale and found - yep - two more Twin-Vs. Man, it seems like we can't turn around without one of those radios biting us in the a**.

So anyway the current state of play is a L43GGB 1950s vintage utility base in service at my place in San Francisco feeding a 5/8 wave ground plane on 146.52 Mc/s with crystals ordered for the other radios. The consolette will eventually replace the utility base. I plan to set it up with a Shure S-55 "Little Elvis" microphone (correct for the radio) on a boom with a foot switch. Tom says I'll have to make sure I'm way off mike with a television and a barking dog in the background so I can sound like a real tow truck dispatcher.

Already we're having a great old time. Are there any others similarly

afflicted out there?

10-4,

Dick

Dick Dillman
<ddillman@igc.apc.org>
WPE2VT W6AWO
Collector Of Heavy Metal:
Harleys, Willys and Radios Over 100lbs.

Message-Id: <199811180635.AAA05733@loki.internettport.net>
From: "steve" <scb@mail.internettport.net>
To: Old Tube Radios <boatanchors@theporch.com>
Date: Wed, 18 Nov 1998 00:17:51 +0000
MIME-Version: 1.0
Content-type: text/plain; charset=US-ASCII
Content-transfer-encoding: 7BIT
Subject: Re: Zenith Trans Oceanic Receiver
CC: boatanchors@theporch.com

Hi Joe;

There is no shorting device necessary on these radios. This function was usually achieved by plugging the sets AC power plug into slots in the chassis. Its failure to work is probably a dead tube as the fils in these battery sets are configured to series string by the plug slot switch to reduce current requirement from the selenium rectifier (also a problem source in an aged AC/ Battery set). Even with the schematic these things can be tricky to work on powered up, as a mistake can flash the filaments in one, up to ALL, of the tubes. BTW, The 1L6 converter is in short supply and a weak one can be a reason a set with "good" tubes sometimes works erratically on short wave bands if it is marginal. A weak selenium rectifier will affect local oscillator operation & stability as well.

That's about all I remember from my old '600 (basically the same set), good luck with yours.

Regards; Steve

Content-return: allowed
Date: Wed, 18 Nov 1998 08:48:21 -0500
From: "Katz, Gene S" <gene.s.katz@lmco.com>
Subject: RE: New book: The Victorian Internet

To: Old Tube Radios <boatanchors@theporch.com>
Message-id: <D977A62BE8F4D111B31E0000F8081AD0E9309C@emss04m16.ems.lmco.com>
MIME-version: 1.0
Content-type: text/plain

I live in Mount Laurel, NJ, which gets it's name from the high spot in the area (sort of a tall hill, not a mountain). It was one site of a semaphore/signaling chain between the NY stock exchange and the Philadelphia stock exchange well before the turn of the century. Nearby Arney's Mount was another one in this chain. Mount Laurel goes back to about Civil War times, under different names, so the system may be even older. There was nothing around here but farms and orchards for 100 years or more. Except this one "comm station".
73 Gene KC6BLD

From: kd5byb@wt.net
To: Old Tube Radios <boatanchors@theporch.com>
Date: Wed, 18 Nov 1998 08:43:24 +600
Subject: Re: BAs on VHF FM
Message-id: <3652dd0c.1eb8.0@wt.net>

>Already we're having a great old time. Are there any others similarly
>afflicted out there?

Count me in! My 2M station in my apartment consists of a GE Progress Line unit. 4 crystal controlled channels, a 6146 PA, and some of the neatest wiring I've seen adorn this neat unit. It works like a champ, and with its 25 watts output, I have no trouble hitting the three repeaters the unit is crystallized for.

Even though the vibrator power supply in the Progress Line is solid state, I believe that the whole unit can be configured for 6V or 12V use - the little heated cans that contain the crystals indicate how to plug them in for 6V use and for 12V use. It has a remote head on it that has the mic, channel selector, volume control, and power indicator. The external speaker is separate from the control head.

>From where I sit, I see two problems with VHF-FM BA's. The first is the crystal problem - they are expensive at the least. I started a thread about three months ago seeing if one of the electrical engineers on this list could design some sort of circuit board to replace crystals like in the Progress Line. It didn't really get anywhere as I soon realized that such a "universal" replacement would not be an easy thing as different rigs used the crystals in different ways. Anyways, other things

came up, and I never pursued the idea further. Then, lo and behold, in one of this months QST ads I see a little circuit board advertised to replace crystals.

The other problem, which *may* be easily remedied is the need for PL tones on repeaters. One the Progress Line, there was a GE-made tone board accessory for the Progress Line, designed to be plugged in. I have manuals for such in my apartment, and someday I'm going to homebrew up a solid-state unit to go into my Progress Line. If these tone boards work the way I think, making a replacement should be an easy thing...

Lastly, my VHF FM crazyness lead to the aquisition of a BA power supply for the unit. It is a 50's era Navy made supply, fully variable from 0 to 28 volts at 25 amps by varying the transformer tap that is providing the voltage! So, the unit doesn't really regulate - once one hits transmit, the voltage drops from a nominal 12.6 to about 11 volts, similar to the voltage drop one would see in an automotive application, no?

So, to answer the question, you aren't the only VHF-BA nut out there!

73,

Ben

Benjamin D. Hall, KD5BYB

e-mail: KD5BYB@WT.NET

End of BOATANCHORS Digest 2305

>From ???@??? Thu Nov 19 11:07:13 1998

Message-Id: <199811190300.VAA27029@sco.theporch.com>

Date: Wed, 18 Nov 1998 21:00:39 CST

Subject: BOATANCHORS digest 2306

BOATANCHORS Digest 2306

Topics covered in this issue include:

- 1) WTB 6G5 eye-tube
by "Ed Santavicca" <santavic@ct.picker.com>
- 2) Re: BAs on VHF FM

- by Bob Roehrig <broehrig@admin.aurora.edu>
- 3) Re: BAs on VHF FM
by kd5byb@wt.net
- 4) Re: BAs on VHF FM
by Bob Roehrig <broehrig@admin.aurora.edu>
- 5) RE: BAs on VHF FM
by Ed Sieb <esieb@gmsiworld.com>
- 6) RE: BAs on VHF FM
by Ed Sieb <esieb@gmsiworld.com>
- 7) Ha Ha, So There!
by David Stinson <arc5@ix.netcom.com>
- 8) EF Johnson Invader problem
by w2ec@VNET.IBM.COM
- 9) Re: UNFAIR QUIZ ?
by David Stinson <arc5@ix.netcom.com>
- 10) Tubes, again...
by William Donzelli <william@ans.net>
- 11) ARMSTRONG FM STUFF
by JOHN_SEHRING.parti@ecunet.org (JOHN SEHRING)
- 12) DRAKE AM
by JOHN_SEHRING.parti@ecunet.org (JOHN SEHRING)
- 13) BA'S ON VHF FM
by JOHN_SEHRING.parti@ecunet.org (JOHN SEHRING)
- 14) THE VICTORIAN INTERNET
by JOHN_SEHRING.parti@ecunet.org (JOHN SEHRING)
- 15) BA'S FOR VHF FM
by JOHN_SEHRING.parti@ecunet.org (JOHN SEHRING)
- 16) Re: WTB 6G5 eye-tube
by Morris Odell <morriso@vifp.monash.edu.au>
- 17) Re: BAs on VHF FM
by Tom Norris <badger@telalink.net>
- 18) Heathkit Warrior amp FS \$100.00
by zeitler@ibm.net
- 19) WTB: 1U5WA in Mil box
by Lenox Carruth <carruth@geo-thermal.com>
- 20) RME/Hickok for trade
by Brian.Harris@sv.sc.philips.com (Brian Harris)
- 21) Re: book recommendation
by John Oglesby - N9RE <Oglesby2@IX.netcom.com>
- 22) Re: BAs on VHF FM
by "Wallace Gibbons" <rockwall@tcsourseone.com>

Message-Id: <9811181501.AA13519@ct.picker.com>
From: "Ed Santavicca" <santavic@ct.picker.com>
To: Old Tube Radios <boatanchors@theporch.com>
Date: Wed, 18 Nov 1998 09:58:49 -0500
Mime-Version: 1.0

Content-Type: text/enriched; charset=US-ASCII
Content-Transfer-Encoding: 7BIT
Subject: WTB 6G5 eye-tube

Does anyone have a 6E5, 6G5, 6H5, 6T5, or 6U5 they would like to sell?

Or trade for a 1629 eye-tube (8-pin octal version of a 6E5)

Thanks

Ed

<nofill>

Ed Santavicca

73 de AA8TV
Piper Warrior N44076
santavic@ct.picker.com

Date: Wed, 18 Nov 1998 09:47:42 -0600 (CST)
From: Bob Roehrig <broehrig@admin.aurora.edu>
To: Old Tube Radios <boatanchors@theporch.com>
cc: Old Tube Radios <boatanchors@theporch.com>
Subject: Re: BAs on VHF FM
Message-ID: <Pine.ULT.3.96.981118094426.21723B-100000@admin.aurora.edu>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

On Wed, 18 Nov 1998 kd5byb@wt.net wrote:

> Even though the vibrator power supply in the Progress Line is
> solid state, I beleive that the whole unit can be configured
> for 6V or 12V use - the little heated cans that contain the
> crystals indicate how to plug them in for 6V use and for 12V
> use. It has a remote head on it that has the mic, channel
> selector, volume control, and power indicator. The external
> speaker is separate from the control head.

The spare TX for my 2 meter repeater is a G.E. prog-line 80 watt strip that originally was used in the old mobile telephone service. It has a 5894 final (like a 829B on steroids). Great transmitter.

We seldom used the xtal ovens except once in a while in mobile use. Didn't need the stability that commercial FCC regs demanded. Dunno about the G.E. ovens but I think the Motorola's drew about 1 amp each.

"Nostalgia is a thing of the past"
E-mail broehrig@admin.aurora.edu 73 de Bob, K9EUI
CIS: Data / Telecom Aurora University, Aurora, IL
630-844-4898 Fax 630-844-5530

From: kd5byb@wt.net
To: Old Tube Radios <boatanchors@theporch.com>
Cc: Old Tube Radios <boatanchors@theporch.com>
Date: Wed, 18 Nov 1998 09:47:11 +600
Subject: Re: BAs on VHF FM
Message-id: <3652ebff.2b76.0@wt.net>

>We seldom used the xtal ovens except once in a while in mobile use.
>Didn't need the stability that commercial FCC regs demanded. Dunno about
>the G.E. ovens but I think the Motorola's drew about 1 amp each.

Off the top of my head, I don't remember what the GE ovens draw, but it is enough that when one switches on, I can see the ammeter on the power supply dip a bit.

I've often wondered about the ovens in the GE - once the tubes warm up, I've found that stability is really good. IE: I don't have to wait for the ovens to stabilize the temperature in the crystals to get good stability.

HOWEVER I've noticed that all of the crystals that I have for the unit are marked for 120 degrees F operation or something similar to that, which makes me think that they are required for proper operation...

Anyone know for sure? At any rate, since mine isn't used mobile, I'll leave them connected for the time being, sure cannot hurt anything!

Thanks and 73,
Ben

Benjamin D. Hall, KD5BYB

e-mail: KD5BYB@WT.NET

Date: Wed, 18 Nov 1998 10:02:10 -0600 (CST)
From: Bob Roehrig <broehrig@admin.aurora.edu>
To: Old Tube Radios <boatanchors@theporch.com>
cc: Old Tube Radios <boatanchors@theporch.com>
Subject: Re: BAs on VHF FM
Message-ID: <Pine.ULT.3.96.981118100102.24774A-1000000@admin.aurora.edu>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

On Wed, 18 Nov 1998 kd5byb@wt.net wrote:

> *HOWEVER* I've noticed that all of the crystals that I have
> for the unit are marked for 120 degrees F operation or something
> similar to that, which makes me think that they are required
> for proper operation...

I would stick with the ovens since the rocks are spec'd at that temp.
The could be quite a ways off at room temp.

"Nostalgia is a thing of the past"
E-mail broehrig@admin.aurora.edu 73 de Bob, K9EUI
CIS: Data / Telecom Aurora University, Aurora, IL
630-844-4898 Fax 630-844-5530

Message-ID: <01BE12EE.4A1D4060@esieb.gmsiworld.com>
From: Ed Sieb <esieb@gmsiworld.com>
To: Old Tube Radios <boatanchors@theporch.com>
Subject: RE: BAs on VHF FM
Date: Wed, 18 Nov 1998 12:23:43 -0500
MIME-Version: 1.0
Content-Type: text/plain; charset="us-ascii"
Content-Transfer-Encoding: quoted-printable

Ah, yes, the Twin-V! Hah!

I had on of those and a 'GGT also. My first 2-M FM rig was the good =
'ol' "80D (FMTRU-80D). Since I used it as a base station, I acquired the =
correct base station power supply, and retired the dynamotor. Finally, I =
also got hold of the correct 6-foot rack, (the one with the round =
speaker in the door, and the 3 meter-panel above the door). I racked up =
the strips, added some remote control facilities and there it was - a =
big six-foot rack full of gear squirting out 30 Watts! (They ran 2E26's. =
The "Big-Rigs" ran a 6146: Hoo-hah!) Had the beast in the corner of my =
bed-room, with a home-brew control head at the operating desk. QSY was =
accomplished by walking over to rig, swapping out the surplus FT243, 6 =

Mc rocks for others. The rocks were stored on top of the PA cage, nice =
and warm.=20

Those were the days, when the only people on 2 meters were real =
technicians or those who knew what a "service monitor" was. We all owned =
soldering irons. Many a career in land mobile radio was built from a =
surplus FM rig. I know my own career in radio started when I went to my =
first "netting party" at a buddy's place so we could net and tune our =
newly modified rig. I still have my collection of "FM" magazine.

Ed, VA3ES

Message-ID: <01BE12F5.BF8981E0@esieb.gmsiworld.com>
From: Ed Sieb <esieb@gmsiworld.com>
To: Old Tube Radios <boatanchors@theporch.com>
Subject: RE: BAs on VHF FM
Date: Wed, 18 Nov 1998 13:17:03 -0500
MIME-Version: 1.0
Content-Type: text/plain; charset="us-ascii"
Content-Transfer-Encoding: 7bit

Oh, yes...One other thing I forgot to mention...

I still have that old '80D base station power supply. I use it today as a
universal shop supply for
powering errant SB101's, and other BA type rigs. Works well. I have an assortment
of power
cables for different rigs and it provides almost the right voltages for most rigs.
If you see one at a
hamfest, grab it. Very useful as a universal tube transceiver power supply.

Ed, VA3ES

Message-ID: <36530DFF.8A@ix.netcom.com>
Date: Wed, 18 Nov 1998 12:12:15 -0600
From: David Stinson <arc5@ix.netcom.com>
MIME-Version: 1.0
To: Old Tube Radios <boatanchors@theporch.com>
Subject: Ha Ha, So There!
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

I've been listening to all the HF USB traffic
on 11175 KC while our forces rattle their sabers
at the Quaq from Iraq. It's pretty neat to hear
"Sky King, Sky King, do not answer..." again.

Better listen while you can, folks.
HF phone links are going the way of CW.
I haven't heard anything on the old nets
like Quebec (6761) so maybe this is what
they have left.

All this advanced, juiced-up and mega-speed
digital-networked super encrypted comm systems and a few
flocks of comet dust make them warm-up the R-390s.
Gotta turn them sats away from the sand storm.
The total sat bandwidth available is probably quite
limited right now. I'm guessing the routine traffic
is going HF while the sats take only the critical and
extra-secure stuff.

I'm reminded of an article in a technical journal
I read last year. Seems there was this big conference.
With the change from simple, analog RF systems which served
customers well to interlinked, digital-encoded, multi-phase-
delayed multi-site simulcasted RF had come something else--
wide band noise. All the assurances from high-powered
engineering labs had not prevented the laws of physics
from creating thousands and thousands of low-level mixing products.
Some repeater sites had become nearly unusable due to a
huge increase in noise floor and whopping intermod problems.

What to do? Most of the conference was devoted to
even more complicated devices that will attempt
to communicate through and around the noise.
We old techs know that chopping the signal up
and attempting to sync it in even more complicated
ways is only going to make the problem worse in the long run.
Don't tell the young engineers-- they'll just roll their
eyes and keep believing their professors.
The house of cards will fall in its own good time.

At the Test Site in Nevada, we used simple analog systems for
many years with great success. One dark day, some devil
whispered in the ear of someone with enough "juice" to convince
the grand poo-bahs that we needed to move into the "20th century."
We were forced to scrap our successful, reliable analog systems
for digital, mulit-site simulcast systems.

Years of time, thousands of man-hours of labor and millions
of tax-payer dollars expended--
and this "modern" system is about as reliable and useful
as a system of semaphore-flag wavers. We traded a system
with a dozen failure modes for a system with a hundred-

dozen failure modes. The results were predictable.

The greatest fictional character ever for someone with solder-flux flowing in their veins has to be that legendary problem-solver, Chief-Engineer Montgomery Scott of Star Trek. He spoke a bit of wisdom that should be stencilled on the wall of every engineering department:

"The more complicated they make the plumbing,
the easier it is to stop-up the drain."

--

73 DE David Stinson AB5S
arc5@ix.netcom.com

Occupied Texas, CSA

From: w2ec@VNET.IBM.COM
Message-Id: <199811181829.MAA11271@sco.theporch.com>
Date: Wed, 18 Nov 98 13:16:05 EST
To: Old Tube Radios <boatanchors@theporch.com>
Subject: EF Johnson Invader problem

Just noticed a problem with my Invader 2000 I hadn't encountered before. Rig has been working fine, this is something recent.

I power the rig on and within a minute or so tune it up in the exciter mode (pair of 6146's, same as the Invader 200). Rig tunes up fine to full output. Then, after about 10 minutes of warmup in standby, when I key the rig, the power has dropped down to about half power. Holding the key down causes the output power to increase over a period of maybe 10 to 15 seconds, from half to full power out. You can watch it increase on the monitor scope and wattmeter. Monitoring on a separate receiver does not detect any significant frequency drift, it's just that the power starts to increase up to normal full power output.

So, to net it out:

1. At initial power on, rig tunes up to full output fine.
2. After about 10 minutes in standby, keying rig shows only about half power.
3. Holding key down causes gradual rise to full power out.
4. Doesn't appear to be any frequency change with this.
5. Happens into a dummy load or an antenna, doesn't make any difference.
6. Also happens trying to drive the Invader in hi power (2000 watt) mode, driving the exciter into the internal swamping network.

Anyone experience this condition before? I originally thought a component might be failing as it heated up, but can't account for why it corrects itself when the key is held down, unless keying the rig reduces the voltage drop (and subsequent dissipation) across the component. I'm open to suggestions!

73, Ray W2EC

Message-ID: <36531793.273A@ix.netcom.com>
Date: Wed, 18 Nov 1998 12:53:07 -0600
From: David Stinson <arc5@ix.netcom.com>
MIME-Version: 1.0
To: Old Tube Radios <boatanchors@theporch.com>
CC: G4BXD@compuserve.com
Subject: Re: UNFAIR QUIZ ?
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

>How about some more worldly questions:

>1. What was the colour of the underpants of the
>First Free French on the beach on the 6th?

Yellow and brown, just like everyone else
who landed in Normandy that day.

>2. What did Gandi say while crossing his legs at Runymead?
"Please-- Where is the bathroom??"

>3. What was Henry V's big toe shaped like?
Like the Dauphin's rear end, after he had kicked
him over the tennis-ball thing.

Point well taken, Ben. I'll try to remember there's
a wider world out there next time.

--

73 DE David Stinson AB5S
arc5@ix.netcom.com

Occupied Republic of Texas, CSA

Date: Wed, 18 Nov 1998 15:26:08 -0500 (EST)
From: William Donzelli <william@ans.net>
To: Old Tube Radios <boatanchors@theporch.com>
Subject: Tubes, again...
Message-Id: <Pine.GS0.3.96.981118145451.28923J-100000@titan.purch.ans.net>
Mime-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

A nice tube fell from the sky the other day (actually, found while cleaning), and it is no use to me. It is a U.S. Army 1L6, the hard to find critter for the Transoceanics. Apparently this example was destined for one of the TO's that the military purchased (R-mumble/Umumble), but never made it. The date code on the box is 7-62.

I offer this to the BA folk first, for \$20 (plus shipping) or a trade for some other tube or thingie (Navy and/or 1930s stuff, radar things, interesting other crud).

I also have a 99 percent complete list of tubes for sale - basically the odd bits left over from the miniature military "tube riot" a month or so back. The list has lots of goodies, plenty of oddies, a few oldies, and so forth. Just ignore all of the the computer stuff for sale, unless you need VAX parts.

Email me for the list - I should have it finalized by tomorrow.

I will also have a BC-713/714 aircraft RDF tester up for grabs, as soon as I transfer the pictures.

William Donzelli
william@ans.net

MIME-Version: 1.0
Content-Type: text/plain; charset="US-ASCII"
Content-Transfer-Encoding: 7bit
Date: Wed, 18 Nov 1998 16:31:52 -0500 (EST)
Subject: ARMSTRONG FM STUFF
To: Old Tube Radios <boatanchors@theporch.com>
From: JOHN_SEHRING.parti@ecunet.org (JOHN SEHRING)
Message-ID: <9811181631.aa16182@pcusa01.ecunet.org>

To: boatanchors@theporch.com

> From: "Roberta J. Barmore" <rbarmore@indy.net>
> Subject: Re: RELiant (Eldico?)(R.E.Lacault?)
>
> (A tangent; E. H. Armstrong has been mentioned in this thread. He is
> credited with some early SSB work, in addition to regens, superhets, and
> FM. It *all* makes sense, in light of the man's first gadget: who
> better to develop an understanding of "sidebands," [a crucial concept in
> doping out FM, too, btw] which are not especially intuitive, than the
> first person to experience a detector with *serious* selectivity?
>
> --Bobbi

Armstrong's 1st system for generating wideband FM used a phasing system (yes, the same type used sometimes to generated SSB) at a rather low freq. A phasing system could generate only a very FM deviation at low distortion (that latter's the limiting factor). He then multiplied it a bunch of times to come out on around 42 MHz.

Genius? Yes, in my book!

-John Sehring (11:05 am Wed, Nov 18, 1998 at Custer, SD USA) ucc wb2eqg

MIME-Version: 1.0
Content-Type: text/plain; charset="US-ASCII"
Content-Transfer-Encoding: 7bit
Date: Wed, 18 Nov 1998 16:31:54 -0500 (EST)
Subject: DRAKE AM
To: Old Tube Radios <boatanchors@theporch.com>
From: JOHN_SEHRING.parti@ecunet.org (JOHN SEHRING)
Message-ID: <9811181631.aa16229@pcusa01.ecunet.org>

To: boatanchors@theporch.com

> Subject: Drake AM
>
> I've run my B line on AM for a number of years. There's a simple
> modification that raises the carrier level and eliminates the pumping
> that drives listeners nuts.
>
> It ain't Collins audio, but a vast improvement on the original sound.
>
> Haney k2xn
> <howellh@winthrop.edu>

Well, what's the mod?!! I'm anxious to see it!

-John Sehring (11:10 am Wed, Nov 18, 1998 at Custer, SD USA) ucc wb2eqg

MIME-Version: 1.0
Content-Type: text/plain; charset="US-ASCII"
Content-Transfer-Encoding: 7bit
Date: Wed, 18 Nov 1998 16:31:55 -0500 (EST)
Subject: BA'S ON VHF FM
To: Old Tube Radios <boatanchors@theporch.com>
From: JOHN_SEHRING.parti@ecunet.org (JOHN SEHRING)
Message-ID: <9811181631.aa16268@pcusa01.ecunet.org>

To: boatanchors@theporch.com

I've had Motorola VHF FM BA's on the air on 6 & 10 m for about 20 years. I use strictly their best receivers, the Sensicon A's, each with 18 of finest thermionic emissive devices & that large Permakay brick filter.

Tx's are the 2 x 6146 types @ 100 watts. PS's are mostly the heavy duty repeater versions.

It all occupies two 6' tall racks with full metering (that's a lot of meters, they're all Motorola, 'natch).

I use 3 @ rx strips on 6 & 10 m in a diversity setup, each strip fed with its own, different antenna to get both space & polarization diversity. (Also have many spare rx strips for spares.)

10 m provides the most interesting effects as it has far more skip than 6 m. It's so interesting to watch the signal pop from one rx to another as the sig fades & polarization rotates.

Once in a while, two different QSO's, on the same freq (29.6) at the same time will come from two different receivers! Each sig has captured its own receiver. They may have each come in with a different polarization. It wouldn't happen like this except for FM capture effect.

-John Sehring (11:19 am Wed, Nov 18, 1998 at Custer, SD USA) ucc wb2eqg

MIME-Version: 1.0
Content-Type: text/plain; charset="US-ASCII"
Content-Transfer-Encoding: 7bit
Date: Wed, 18 Nov 1998 16:31:57 -0500 (EST)
Subject: THE VICTORIAN INTERNET
To: Old Tube Radios <boatanchors@theporch.com>
From: JOHN_SEHRING.parti@ecunet.org (JOHN SEHRING)
Message-ID: <9811181631.aa16317@pcusa01.ecunet.org>

To: boatanchors@theporch.com

> From: "Katz, Gene S" <gene.s.katz@lmco.com>
> Subject: RE: New book: The Victorian Internet
>
> I live in Mount Laurel, NJ, which gets its name from the high spot in
> the area (sort of a tall hill, not a mountain). It was one site of a
> semaphore/signaling chain between the NY stock exchange and the
> Philadelphia stock exchange well before the turn of the century. Nearby
> Arney's Mount was another one in this chain.

Some of Armstrong's first tests of FM broadcasts were done from a house

there, see his classic 1936 IRE paper on wideband FM. He was receiving
sigs from New York City.

-John Sehring (11:30 am Wed, Nov 18, 1998 at Custer, SD USA) ucc wb2eqg

MIME-Version: 1.0
Content-Type: text/plain; charset="US-ASCII"
Content-Transfer-Encoding: 7bit
Date: Wed, 18 Nov 1998 16:31:59 -0500 (EST)
Subject: BA'S FOR VHF FM
To: Old Tube Radios <boatanchors@theporch.com>
From: JOHN_SEHRING.parti@ecunet.org (JOHN SEHRING)
Message-ID: <9811181631.aa16378@pcusa01.ecunet.org>

To: boatanchors@theporch.com

> Even though the vibrator power supply in the Progress Line is
> solid state, I beleive that the whole unit can be configured
> for 6V or 12V use - the little heated cans that contain the
> crystals indicate how to plug them in for 6V use and for 12V
> use. It has a remote head on it that has the mic, channel
> selector, volume control, and power indicator. The external
> speaker is separate from the control head.

> Lastly, my VHF FM crazyness lead to the aquisition of a BA
> power supply for the unit. It is a 50's era Navy made supply,
> fully variable from 0 to 28 volts at 25 amps by varying the
> transformer tap that is providing the voltage! So, the
> unit doesn't really regulate - once one hits transmit, the
> voltage drops from a nominal 12.6 to about 11 volts, similar
> to the voltage drop one would see in an automotive application,
> no?

Easier way to do this. Just remove the vibrator & run 6 or 16 VAC to the
primary to the ps's power xfmr, works FB.

> From where I sit, I see two problems with VHF-FM BA's. The first is the
> crystal problem - they are expensive at the least. I started a thread
> about three months ago seeing if one of the electrical engineers on this
> list could design some sort of circuit board to replace crystals like in
> the Progress Line. It didn't really get anywhere as I soon realized
> that such a "universal" replacement would not be an easy thing as
> different rigs used the crystals in different ways. Anyways, other
> things came up, and I never pursued the idea further. Then, lo and
> behold, in one of this months QST ads I see a little circuit board
> advertised to replace crystals.

A excellent synthesizer can be made from an old CB board, they're still around for almost nothing, see QST 3/83, p. 20.

> So, to answer the question, you aren't the only VHF-BA nut
> out there!

I'm glad!

-John Sehring (11:34 am Wed, Nov 18, 1998 at Custer, SD USA) ucc wb2eqg

Message-ID: <36534876.C63D8BA@vifp.monash.edu.au>
Date: Thu, 19 Nov 1998 09:21:42 +1100
From: Morris Odell <morriso@vifp.monash.edu.au>
MIME-Version: 1.0
To: Old Tube Radios <boatanchors@theporch.com>
Subject: Re: WTB 6G5 eye-tube
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Ed Santavicca wrote:

> Does anyone have a 6E5, 6G5, 6H5, 6T5, or 6U5 they would like to sell?
> Or trade for a 1629 eye-tube (8-pin octal version of a 6E5)

As I recently discovered, these old eye tubes are **very** rare and expensive. The 1629 is a 12.6 volt heater version and is much cheaper. You can make (or buy from AES I think) a socket adaptor which contains a simple voltage doubler to run the 1629 from a 6.3 volt AC heater supply.

73 de Morris VK3DOC

>
>
> Thanks
>
> Ed
>
> Ed Santavicca
> 73 de AA8TV Piper Warrior N44076 santavic@ct.picker.com

Message-Id: <3.0.5.32.19981118174805.0098e100@mail1.telalink.net>
Date: Wed, 18 Nov 1998 17:48:05 -0600

To: Old Tube Radios <boatanchors@theporch.com>
From: Tom Norris <badger@telalink.net>
Subject: Re: BAs on VHF FM
Cc: boatanchors@theporch.com
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

At 09:51 PM 11/17/1998 -0800, you wrote:

>

>The great thing about the particular type of madness we share is that
>there's always something new to obsess about. For me it's lately been the
>acquisition and use of 50s vintage commercial FM gear on 2m FM.

Cool Beanage. (whatever the hell that means!) I have always liked older land mobile stuff. My first "real" mobile was a Motorola "T Power" mobile in my 1966 Falcon. (Beige, 2 door post lovely car till the bottom rusted out) I built a keyboard-entry synth back in 1981 for it. Connected the whole thing to the radio with a maze of coax and assorted other wire, in addition to the regular control cable for the radio. The power supply whine used to drive the local guys crazy on the repeaters. Was a greaaaaat radio though, the sensitivity on that thing was something like .08 microvolts!!!!** All tube, mind you, except for the synth. 30 whole watts out with one 6146 output. I really miss the 5 pound microphone too!

Got rid of the car in 84 or so and got rid of the radio in "The GreatBA Purge Of '86", a moment I will regret for the rest of my life, unless I buy enough BA's the take the place of the ones given away then. heehee

(I am coming prettttttttty close and may have reached that point actually)

ALMOST was tempted by a truckload of GE pre-Prog 100 watt mobile a year or so ago. They had dyno power supplies too, would have been great to be able to key down and my your ever-dimming headlights as a TX indicator. Darned wimpy Ford Escort alternator wasn't meant to have a REAL radio attached to it.... LOL

73 all

Tom

** Not a typo. At center freq -- I had it centered on 146.52 -- it honestly did .08 microvolts thereabouts. I haven't seen a sordid state radio yet that would do that "stock" and I service the things on a daily basis.

From: zeitler@ibm.net
Message-ID: <001d01be135c\$c5034f40\$15292581@km3g>
To: Old Tube Radios <boatanchors@theporch.com>

Subject: Heathkit Warrior amp FS \$100.00
Date: Wed, 18 Nov 1998 17:34:32 -0800
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

needs plate xmfr, plate choke, tubes, meter and meter cover. Looks good on front panel. Was going to refurbish it but found another one locally intact. \$100.00 plus shipping from 92139 San Diego.

Lane
KM3G

Message-ID: <36537703.31D0BCCD@geo-thermal.com>
Date: Wed, 18 Nov 1998 19:40:19 -0600
From: Lenox Carruth <carruth@geo-thermal.com>
MIME-Version: 1.0
To: Old Tube Radios <boatanchors@theporch.com>
Subject: WTB: 1U5WA in Mil box
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

I need a 1U5WA in a MILITARY BOX to help restore my GRC-109. Anybody got one looking for a new home where it will be given tender love and care and can live happily ever after? Help will be most appreciated.

Thanks.

--

Lenox

Lenox Carruth Dallas, TX carruth@geo-thermal.com
Collector of WW-II Communications Equipment and Memorabilia

Wanted: TCS-14 Transmitter, TBX, BD-71, Sextant

Mime-Version: 1.0
Date: Wed, 18 Nov 1998 20:09:30 -0800
Message-ID: <001CA884.1914@svlima.sv.sc.philips.com>
From: Brian.Harris@sv.sc.philips.com (Brian Harris)
Subject: RME/Hickok for trade
To: Old Tube Radios <boatanchors@theporch.com>

Content-Type: text/plain; charset=US-ASCII
Content-Transfer-Encoding: 7bit
Content-Description: cc:Mail note part

I'll probably regret this but I have the following items for which I have no real need:

RME VHF-152 - 11/10/6/2 meter converter - cabinet needs repainting but front panel is good, electrical condition unknown, correct knobs, tubes included.

Hickock 533A tube tester - looks good, nice roll chart, reads within 20% of my other 533A.

Will consider swapping for pre-50 ARRL handbooks, keys, microphones, tubes, or almost anything small. I have no room left!

TNX es 73, Brian Harris WA5UEK

Message-ID: <365389FC.633E@IX.netcom.com>
Date: Wed, 18 Nov 1998 22:01:26 -0500
From: John Oglesby - N9RE <Oglesby2@IX.netcom.com>
MIME-Version: 1.0
To: Old Tube Radios <boatanchors@theporch.com>
Subject: Re: book recommendation
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

All - I have also read this book. I highly recommend it. Really gives you a feel for how the science of radio progressed during the war and the consequences. - John N9RE

Dave Metz wrote:

>
> GAng,
>
> I recently finished a book that details the development of the cavity
> magnitron and other "interesting" electronic breakthroughs. "The Invention that
Changed the World"

Message-ID: <36538936.3811BD54@tcsourceone.com>
Date: Wed, 18 Nov 1998 19:57:59 -0700
From: "Wallace Gibbons" <rockwall@tcsourceone.com>
MIME-Version: 1.0
To: Old Tube Radios <boatanchors@theporch.com>
Subject: Re: BAs on VHF FM

Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Greetings, vhf BA lovers,

Ovens were the norm for vhf and uhf radios. Low band ones had the choice upon order for ovened or not. Fewer multiplier stages meant less drift with temperature changes.

I use BA rigs on VHF and UHF weekly. I like em. Have more than any sane person could want. But they are fun and keep the shack warm.

Wally

End of BOATANCHORS Digest 2306
